



National Weather Service

Storm Data and Unusual Weather Phenomena



September 2000

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>ILLINOIS, Northwest</u>									
Stephenson County									
Lena	11	1030CST			0	0	30K		Lightning
									Lightning struck a home and ignited a fire.
Carroll County									
Mt Carroll	11	1245CST			0	0			Hail (0.75)
Carroll County									
Countywide	11	1250CST			0	0			Thunderstorm Wind (G52)
									Several trees and limbs down throughout the county.
Whiteside County									
Countywide	11	1250CST			0	0			Thunderstorm Wind (G52)
									Several trees and limbs down throughout the county.
									An outflow boundary from morning thunderstorms over Wisconsin dropped south into Northern Illinois, triggering additional thunderstorms. The storms mainly brought heavy rain, although several of the storms managed to strengthen sufficiently to produce damaging winds and large hail. Carroll and Whiteside counties felt the brunt of the storms
Jo Daviess County									
Countywide	11	1830CST			0	0			Thunderstorm Wind (G52)
									Numerous trees down.
Carroll County									
Mt Carroll	11	1847CST 1854CST			0	0			Thunderstorm Wind (G55)
									Tree down on Route 64 at Center Hill. Trees also down on North Clay Street and on Jackson Street
Carroll County									
Mt Carroll	11	1850CST			0	0			Thunderstorm Wind (G52)
									Numerous trees down.
Stephenson County									
Freeport	11	1920CST			0	0			Thunderstorm Wind (G52)
									Small trees and branches down.
Whiteside County									
Fulton	11	1935CST			0	0			Thunderstorm Wind (G55)
									Numerous trees and limbs down.
Whiteside County									
Morrison	11	1935CST			0	0	2K		Thunderstorm Wind
									Trees down.
Whiteside County									
Fulton	11	1955CST			0	0			Thunderstorm Wind (G52)
									Large tree down.
Carroll County									
Mt Carroll	11	2000CST			0	0	20K		Thunderstorm Wind
									Corn auger blown onto power lines
Carroll County									
Mt Carroll	11	2000CST			0	0	5K		Thunderstorm Wind
									Windows blown out of a building showroom
Rock Island County									
Rock Is	11	2005CST			0	0			Hail (0.88)
Henry County									
Geneseo	11	2010CST			0	0	2K		Thunderstorm Wind
									Large tree down.



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ILLINOIS, Northwest

Carroll County

Mt Carroll	11	2013CST 2017CST			0	0			Thunderstorm Wind (G52)
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Trees down on Route 64 east of Mount Carroll and along Carroll and Center Streets in Mount Carroll.

Stephenson County

Lena	11	2016CST			0	0			Thunderstorm Wind (G52)
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Large tree down on Route 73 at Hershey Road

Henderson County

Oquawka	11	2020CST			0	0			Thunderstorm Wind (G52)
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Numerous trees down.

Henry County

Cambridge	11	2025CST			0	0			Thunderstorm Wind (G61)^M
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Bureau County

Dover	11	2030CST			0	0			Thunderstorm Wind (G52)
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Large branches and trees down.

Bureau County

Princeton	11	2030CST			0	0			Thunderstorm Wind (G52)
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Trees down.

Henry County

Galva	11	2100CST			0	0			Hail (0.80)
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Henry County

Galva	11	2100CST			0	0			Thunderstorm Wind (G52)
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Bureau County

Bureau	11	2130CST			0	0			Thunderstorm Wind (G52)^M
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Large tree limbs down.

Warren County

Monmouth	11	2130CST			0	0	500K		Thunderstorm Wind
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Damaging straight line winds estimated at near 60 mph toppled acres of corn and soybeans in and around Monmouth.

Ingredients were present for a big outbreak of severe weather. A strong upper level disturbance was moving through the plains. Meanwhile, surface low pressure raced from Southwest Minnesota into Wisconsin by late afternoon, allowing a strong cold front to sweep into Central Iowa by late in the day. Ahead of the front, a strong southwest breeze and abundant sunshine pushed temperatures to record levels with readings generally in the mid and upper 90s. An old outflow boundary from earlier convection set up over Northeast Iowa and Northern Illinois. Thunderstorms redeveloped along the boundary by mid to late afternoon over Northeast Iowa and quickly became severe. The convection took on an east to west orientation, which resulted in training of cells leading to heavy rains in excess of 3 inches, and recurring reports of severe weather. Meanwhile, thunderstorms exploded late in the afternoon along the approaching cold front from near Des Moines, Iowa to St. Joseph, Missouri. Strong convective instability and strengthening vertical wind shear profiles resulted in the formation of an intense squall line. The squall line raced eastward producing numerous reports of large hail and damaging winds. Several areas lost power. The storms also did considerable damage to many of the areas corn and soybean crops. Damage was widespread but variable, with as much as 10 percent of the corn crop damaged in some areas. Several factors contributed to the damage. A big factor was the direction of the rows in relation to the wind. Other factors included the variety of corn, as some were not rooted as deeply, and stalk rot which makes corn stalks brittle and unstable. Stalk rot was brought on by a wet July and relatively dry August.



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					Killed	Injured	Property	Crops	

ILLINOIS, Northwest

Henderson County

2 NE Lomax	22	2020CST			0	0			Hail (0.75)
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Henderson County

Stronghurst	22	2050CST			0	0			Urban/Sml Stream Fld
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Heavy rain of nearly 2 inches in one hour flooded several streets in town.

Warren County

Countywide	22	2145CST			0	0	100K		Thunderstorm Wind
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Straight line winds flattened several acres of corn throughout the county.

Warren County

Roseville	22	2156CST			0	0			Urban/Sml Stream Fld
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Several city streets were flooded.

Early in the afternoon, surface low pressure was located between Omaha, Nebraska and Ames, Iowa with a strong cold front draped south from the low pressure through Central Kansas. A strong warm layer of air aloft, or cap, prevented convective development until very late in the afternoon when the cap eroded with diurnal heating and low level moisture advection. A line of strong to severe thunderstorms erupted along the cold front from Northwest Missouri into Eastern Kansas. Other scattered strong to severe thunderstorms developed in Southern Iowa along a warm front, and propagated eastward into West Central Illinois during the evening. The initial storms along the warm front were marginally severe, due to the lack of solar insolation and very moist conditions which limited the formation of strong updrafts. There were several reports of pea sized hail and winds to 50 mph, with isolated reports of dime sized hail and damaging winds. The line of convection which formed out in Missouri and Kansas swept across Southeast Iowa and West Central Illinois during the mid evening. This convection was stronger and aided by lift from the approaching cold front. These storms produced very heavy rain and a few reports of large hail and damaging winds.

IOWA, East Central and Southeast

Linn County

Marion	10	0345CST			0	0			Hail (0.75)
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Clinton County

Goose Lake	11	0830CST			0	0	200K		Thunderstorm Wind (G65)
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Winds estimated at 75 mph flattened several acres of corn and soybeans.

Dubuque County

Rickardsville	11	1049CST			0	0			Hail (1.75)
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Clinton County

Delmar	11	1230CST			0	0			Thunderstorm Wind (G52)
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Several trees blown down.

Clinton County

Charlotte	11	1235CST			0	0	1K		Thunderstorm Wind
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Several trees down.

An outflow boundary from early morning thunderstorms over Wisconsin dropped south into Northeast Iowa, triggering additional thunderstorms by late morning. A few of the storms strengthened sufficiently to produce large hail and damaging winds.

Dubuque County

Dubuque	11	1525CST			0	0			Hail (1.00)
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Dubuque County

Rickardsville	11	1550CST			0	0			Hail (1.75)
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September 2000									
Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
IOWA, East Central and Southeast									
Iowa County 3 S Ladora	11	1605CST			0	0			Hail (1.00)
Benton County 2 SE Newhall	11	1621CST			0	0			Hail (1.00)
Dubuque County Sherrill	11	1630CST			0	0			Hail (0.75)
Benton County Atkins	11	1635CST			0	0			Hail (0.75)
Benton County 4 E Blairstown	11	1643CST			0	0			Hail (1.50)
Linn County Prairieburg	11	1648CST			0	0			Hail (1.50)
Jones County Countywide	11	1700CST 1800CST			0	0		300K	Thunderstorm Wind
Widespread damage to corn fields.									
Iowa County Millersburg	11	1705CST			0	0			Hail (1.00)
Linn County Cedar Rapids	11	1715CST			0	0			Hail (1.00)
Iowa County North English	11	1730CST			0	0	20K		Thunderstorm Wind
Large tree fell on a home.									
Washington County Countywide	11	1730CST 1900CST			0	0		1M	Thunderstorm Wind
Widespread damage to corn fields.									
Dubuque County Dubuque	11	1740CST			0	0			Thunderstorm Wind (G52)
Numerous trees down near Eagle Point Park.									
Dubuque County Dubuque	11	1740CST			0	0	6K		Thunderstorm Wind
Dubuque County Durango	11	1740CST			0	0	5K		Thunderstorm Wind
Dubuque County Peosta	11	1740CST			0	0			Hail (0.75)
Dubuque County Dubuque	11	1745CST			0	0			Hail (0.75)
Jones County Hale	11	1755CST			0	0	5K		Thunderstorm Wind
Jones County Oxford Jct	11	1755CST			0	0			Thunderstorm Wind (G58)
Jones County Oxford Mills	11	1755CST			0	0	2K		Thunderstorm Wind
Jones County Wyoming	11	1755CST			0	0	10K		Thunderstorm Wind
Tree landed on a garage.									
Jones County Wyoming	11	1755CST			0	0	2K		Thunderstorm Wind



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IOWA, East Central and Southeast

Clinton County

Countywide	11	1800CST 1845CST			0 0	5M	Thunderstorm Wind
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Corn fields toppled by winds estimated at 60 mph. 20 to 25 percent of all county farms sustained damage.

Scott County

Countywide	11	1800CST 1845CST			0 0	300K	Thunderstorm Wind
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Several acres of corn and soybeans were damaged throughout the county.

Washington County

Wellman	11	1805CST			0 0		Hail (1.75)
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Clinton County

Delmar	11	1815CST			0 0	3K	Thunderstorm Wind
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Iowa County

Williamsburg	11	1815CST			0 0		Hail (1.00)
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Jackson County

Countywide	11	1825CST			0 0		Thunderstorm Wind (G55)
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Scattered trees and power lines down throughout the county.

Dubuque County

Epworth	11	1830CST			0 0	2K	Thunderstorm Wind
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Jackson County

Sabula	11	1830CST			0 0	200K	Thunderstorm Wind
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Corn fields damaged.

Cedar County

Durant	11	1849CST			0 0		Hail (0.75)
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Washington County

Wellman	11	1850CST			0 0		Hail (0.88)
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Scott County

Davenport Arpt	11	1928CST			0 0		Thunderstorm Wind (G53) ^M
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Scott County

Bettendorf	11	1930CST			0 0	35K	Thunderstorm Wind
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Large tree fell on a home and vehicle parked in the driveway on Sunset Circle.

Scott County

Davenport	11	1930CST			0 0		Thunderstorm Wind (G63) ^M
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Scott County

Davenport	11	1930CST			0 0		Thunderstorm Wind (G52)
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Trees and power lines down at 13th Street and Brown Street.

Scott County

Davenport	11	1930CST			0 0		Thunderstorm Wind (G61)
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Winds estimated at near 70 mph knocked over a 2000 pound statue of a bull at the Mississippi Valley Fairgrounds. The bull serves as the mascot for the fair.

Scott County

Bettendorf	11	1935CST 1940CST			0 0		Thunderstorm Wind (G69)
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Winds were sustained at 60 mph for a period of 5 minutes, with gusts estimated at near 80 mph.

Scott County

Bettendorf	11	1950CST			0 0	5K	Thunderstorm Wind
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IOWA, East Central and Southeast

Lee County

Countywide	11	2015CST 2045CST			0	0		1M	Thunderstorm Wind
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Many acres of corn flattened.

Des Moines County

Countywide	11	2020CST 2045CST			0	0		2M	Thunderstorm Wind
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Many acres of corn flattened.

Des Moines County

Burlington	11	2030CST			0	0	5K		Thunderstorm Wind
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Lee County

Ft Madison	11	2030CST			0	0			Thunderstorm Wind (G52)
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Straight line winds knocked down several trees and power lines. Trees blocked roads and a few landed on vehicles.

Scott County

Davenport	11	2100CST			0	0			Urban/Sml Stream Fld
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Duck Creek reached bankfull in the downtown area.

Scott County

Davenport	11	2101CST			0	0			Lightning
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Lightning knocked television station KWQC off the air.

Ingredients were present for a big outbreak of severe weather. A strong upper level disturbance was moving through the plains. Meanwhile, surface low pressure raced from Southwest Minnesota into Wisconsin by late afternoon, allowing a strong cold front to sweep into Central Iowa by late in the day. Ahead of the front, a strong southwest breeze and abundant sunshine pushed temperatures to record levels with readings generally in the mid and upper 90s. An old outflow boundary from earlier convection set up over Northeast Iowa and Northern Illinois. Thunderstorms redeveloped along the boundary by mid to late afternoon over Northeast Iowa and quickly became severe. The convection took on an east to west orientation, which resulted in training of cells leading to heavy rains in excess of 3 inches, and recurring reports of severe weather. Meanwhile, thunderstorms exploded late in the afternoon along the approaching cold front from near Des Moines, Iowa to St. Joseph, Missouri. Strong convective instability and strengthening vertical wind shear profiles resulted in the formation of an intense squall line. The squall line raced eastward producing numerous reports of large hail and damaging winds. By the time the squall line reached the Quad Cities, the old outflow boundary over Northeast Iowa and Northern Illinois had sagged south and extended from near Moline, Illinois to Lafayette, Indiana. A combination of the boundary and increasing westerly component to the mid level winds with the approaching disturbance, enhanced a segment of the squall line over portions of the Quad Cities, evolving into a bow echo. Winds estimated in excess of 70 mph at times battered much of the Iowa Quad Cities. The cities of Bettendorf, Pleasant Valley, Riverdale and Davenport were hit hardest with numerous trees and power lines knocked down. The Illinois Quad Cities avoided the brunt of the storm. 28,000 homes were without power in the Quad Cities, and many did not have power restored for days. Many other areas in Eastern Iowa lost power as well. The lack of power forced the cancellation of classes at Scott Community College. The storms also did considerable damage to many of the areas corn and soybean crops. Damage was widespread but variable, with as much as 10 percent of the corn crop damaged in some areas. Several factors contributed to the damage. A big factor was the direction of the rows in relation to the wind. Other factors included the variety of corn, as some were not rooted as deeply, and stalk rot which makes corn stalks brittle and unstable. Stalk rot was brought on by a wet July and relatively dry August.

Buchanan County

Jesup	14	0003CST			0	0			Hail (1.75)
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IOWA, East Central and Southeast

Buchanan County

Jesup	14	0005CST			0	0			Hail (0.75)
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Hail lasted for five minutes.

Buchanan County

Independence	14	0010CST			0	0			Hail (1.75)
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Scott County

Davenport	14	0054CST			0	0			Hail (0.88)
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Scott County

Davenport	14	0055CST			0	0			Hail (0.75)
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Scott County

Davenport	14	0058CST			0	0			Hail (1.00)
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Scott County

Davenport	14	0100CST			0	0			Hail (1.75)
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At the intersection of Division and Central.

Scott County

Davenport	14	0101CST			0	0			Hail (1.50)
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At the intersection of Kimberly and Division.

Muscatine County

1.5 SE Stockton	14	0200CST			0	0			Thunderstorm Wind (G61)
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Straight line winds flattened two large steel towers that hold the high voltage power lines of Mid American Energy Company.

Scott County

Walcott	14	0210CST			0	0			Thunderstorm Wind (G61)
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Six to nine inch tree limbs broken completely off several trees. Corn in surrounding fields blown partially over.

Scott County

Davenport Arpt	14	0213CST			0	0			Hail (0.75)
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Scott County

Eldridge	14	0240CST			0	0	50K		Hail (1.00)
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Large hail dented siding, damaged roofs and punched holes in vinyl shutters on several homes. Hail also damaged several vehicles.

Scott County

Eldridge	14	0242CST			0	0	5K		Lightning
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Lightning struck a home on Scott Park Road. The lightning ignited a fire which damaged the attic area of the home.

A vigorous upper level disturbance, dropping through the Dakotas, triggered scattered strong to severe thunderstorms from near Sioux Falls, South Dakota through Northern Iowa to near Rochester, Minnesota during the late afternoon on the 13th. The storms propagated east southeast during the evening. A small scale bow echo moved into the Waterloo and Marshalltown areas late in the evening on the 13th and weakened, as a gust front, marking the leading edge of cooler and stable air, surged out ahead of the small scale bow echo, choking off the inflow and weakening the storms. Additional strong to severe thunderstorms reignited early on the morning of the 14th, near the intersection of the outflow and surface cold front from Waterloo to Dubuque. The convection blossomed into a Mesoscale Convective System or MCS and tracked through Eastern Iowa producing very heavy rain, large hail and damaging winds. Lightning and strong winds from the storms knocked out power to some 4,400 homes in the Quad Cities.



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					Killed	Injured	Property	Crops	

IOWA, East Central and Southeast

Van Buren County

4 NW Douds 22 1823CST 0 0 **Hail (0.75)**

Van Buren County

3 S Birmingham 22 1831CST 0 0 **Thunderstorm Wind (G53)**

Three power lines were blown down.

Des Moines County

Burlington

22 2005CST 0 0 50K **Hail (2.75)**

Baseball sized hail damaged several homes on 42nd Street. The large hail punched holes in windows and siding and dented several vehicles. Mobile homes nearby also suffered damage from the hail.

Des Moines County

Burlington

22 2005CST 0 0 20K **Thunderstorm Wind (G61)**

Strong winds knocked down several large trees and tore off part of a roof of a residence on 42nd Street.

Des Moines County

Burlington

22 2006CST 0 0 **Hail (1.75)**

Des Moines County

Burlington

22 2013CST 0 0 **Hail (0.75)**

Early in the afternoon, surface low pressure was located between Omaha, Nebraska and Ames, Iowa with a strong cold front draped south from the low pressure through Central Kansas. A strong warm layer of air aloft, or cap, prevented convective development until very late in the afternoon when the cap eroded with diurnal heating and low level moisture advection. A line of strong to severe thunderstorms erupted along the cold front from Northwest Missouri into Eastern Kansas. Other scattered strong to severe thunderstorms developed in Southern Iowa along a warm front, and propagated eastward into West Central Illinois during the evening. The initial storms along the warm front were marginally severe, due to the lack of solar insolation and very moist conditions which limited the formation of strong updrafts. There were several reports of pea sized hail and winds to 50 mph, with isolated reports of dime sized hail and damaging winds. The line of convection which formed out in Missouri and Kansas swept across Southeast Iowa and West Central Illinois during the mid evening. This convection was stronger and aided by lift from the approaching cold front. These storms produced very heavy rain and several reports of large hail and damaging winds. Burlington was hit hardest with baseball sized hail and damaging winds.